

DEC 16 1907

**VOL. XXVIII, No. 12**

**DECEMBER, 1907**

# The California Medical Journal

**D. MACLEAN, M. D., EDITOR.**

Published Monthly

San Francisco, Cal.

## ANTIDIPHThERIC SERUM AND GLOBULINS

**Antidiphtheric Serum (P. D. & Co.)**—The identical diphtheria antitoxin that we have supplied to the medical profession for the past thirteen years—the most widely used antitoxin in the world. During the course of its administration it has probably saved more lives than any other single therapeutic agent.

**Antidiphtheric Globulins (P. D. & Co.)**—The globulins of Antidiphtheric Serum, precipitated and purified—diphtheria antitoxin from which the non-essential constituents have been eliminated. It is much more concentrated than the regular serum, the dose (in bulk) being much smaller.

**SAME STYLE PACKAGE. SAME PRICE.**

**Antidiphtheric Serum (P. D. & Co.) and Antidiphtheric Globulins (P. D. & Co.)** are prepared with scrupulous care. They are exactly standardized. They are supplied at the same price and in the same style of container (glass, hermetically sealed at both ends).

**PISTON-SYRINGE CONTAINERS — READY FOR INJECTION.**

500, 1000, 2000, 3000, 4000 and 5000 units.

## PARKE, DAVIS & COMPANY

Laboratories: Detroit, Mich., U.S.A.; Walkerville, Ont.; Hounslow, Eng.  
Branches: New York, Chicago, St. Louis, Boston, Baltimore, New Orleans, Kansas City, Indianapolis, Minneapolis, Memphis; London, Eng.; Montreal, Que.; Sydney, N.S.W.; St. Petersburg, Russia;  
Bombay, India; Tokio, Japan; Buenos Aires, Argentina.





# The Physician of Many Years' Experience

Knows that, TO OBTAIN IMMEDIATE RESULTS  
there is no remedy like

## Syr. Hypophos. Co., Fellows

Many MEDICAL JOURNALS specifically mention this  
Preparation as being of Sterling worth

### TRY IT AND PROVE THESE FACTS

*SPECIAL NOTE.—Fellows' Syrup is never sold in bulk.*

*It can be obtained of Chemists and Pharmacists everywhere.*

---

#### NOTICE—CAUTION.

The success of Fellows' Syrup of Hypophosphites has tempted certain persons to offer imitations of it for sale. Mr. Fellows, who has examined samples of several of these, ***finds that no two of them are identical***, and that all of them differ from the original in composition, in freedom from acid reaction, in susceptibility to the effects of oxygen when exposed to light or heat, ***in the property of retaining the strychnine in solution***, and in the medicinal effects.

As these cheap and inefficient substitutes are frequently dispensed instead of the genuine preparation, physicians are earnestly requested, when prescribing the Syrup, to write "Syr. Hypophos. ***Fellows.***"

As a further precaution, it is advisable that the syrup should be ordered in the original bottles; the distinguishing marks which the bottles (and the wrappers surrounding them) bear, can then be examined, and the genuineness—or otherwise—of the contents thereby proved.







## Not One "Sticker" in All America.

---

Every Wholesale Druggist in America has since January 1st purchased full lines of *Specific Medicines* and our *specialties*, assayed and newly labeled in accordance with the National Law.

No "stickers" are on any of our preparations. *Not one Sticker in all America.* Every bottle, carton, and box from our establishment bears a regulation label *as the National Law demands.*

Every preparation of our make in any jobber's stock can be sold either now or after October 1st, 1907, in any territory or inter-State commerce anywhere.

Every bottle is labeled so that it can be *dispensed or compounded from in confidence*, now and hereafter.

Demand an original bottle properly labeled, sealed, and cartoned. Do not accept an opened package from anyone, or a fragment of anything we make. After opening the bottle, replace the broken cork with a new one.

Observe that the original bottle, the wrapper, and the box, is, each of them, labeled as the law demands.

Keep the medicine in the *original container* and after use cork the bottle well.

So far as we know, every preparation bearing our label, in every jobber's stock in America, complies in substance and label with the National Law.

**NOT ONE "STICKER" IN ALL AMERICA.**

---

**LLOYD BROTHERS, Cincinnati, Ohio.**





K & O DOUCHE FOR THE APPLICATION OF  
GLYCO-THYMOLINE TO THE NASAL CAVITIES

# GLYCO= THYMOLINE

FOR

## CATARRHAL CONDITIONS

Nasal, Throat

Intestinal

Stomach, Rectal

and Utero-Vaginal

**KRESS & OWEN COMPANY**

210 FULTON STREET NEW YORK

Sole Agents for Great Britain, Thos. Christy  
& Company, 4, 10 and 12 Old Swan Lane  
London, E. C., England.



# CALIFORNIA MEDICAL JOURNAL

Entered at San Francisco Post Office as Second-Class Matter.

## Contents :

ORIGINAL AND SELECTED.

	PAGE
The So-called Bubonic Plague . . . T. J. Higgins, P.H.G., M.D., M.S.	199
Plantago Major . . . . . John Albert Burnett.	203
Notes on the Treatment of Epilepsy . . . Charles J. Aldrich, M.D.	204
Editorial . . . . .	211

## Nervous Exhaustion

### Celerina

by its sedative action on the cerebro-spinal centers conserves nervous energy. It eases the strain on a nervous system keyed to the highest tension and, therefore, is an exceedingly valuable means of preventing the nervous collapse or breakdown that might otherwise occur.

As a result of its tono-sedative action, psychic equilibrium is established, and the individual with an overwrought nervous system is given new power and new energy.

In the treatment of functional nervous diseases, Celerina will be found of the greatest value, —*sedative in its action, but tonic in its results.*

**RIO CHEMICAL CO.**

LONDON—NEW YORK—PARIS



# THE GOODNESS ISN'T THE GREASE

*There are just two things about cod liver oil—goodness and grease. It used to be thought that you couldn't get the goodness without the grease. That's wrong. The goodness isn't the grease. It is no more necessary to swallow the nauseous grease of cod liver oil to get the valuable principles, than it is to eat the shell of an egg to get the meat. Right there you have the whole secret of the incalculable value of*



In extracting the valuable properties from the grease, nothing is lost in the process; you get all that cod liver oil is famed for, joined with the hypophosphites of lime and soda in a pleasant cordial, without a trace of the dreaded taste. No grease—no fishy odor.

**PRESCRIBE CORD. EXT. OL. MORRHUAE COMP. (HAGEE)**

*and judge of the merits by results.*

*Put up in 16-oz. bottles only.*

**Katharmon Chemical Co. ST. LOUIS, MO.**

NO SUBSTITUTE  
HAS YET BEEN FOUND FOR  
*ACCURACY*  
*FAITHFULNESS*  
*HONESTY PURITY*  
NOR FOR  
*ANTI-KAMNIA TABLETS*

**"Antikamnia & Codeine Tablets" in Grippal Conditions**



# CHIONIA

## The Hepatic Stimulant

Prepared from Chionanthus Virginica  
Expressly for Physicians' Prescriptions

Chionia is a gentle but certain stimulant to the hepatic functions and overcomes suppressed biliary secretions. It is particularly indicated in the treatment of Biliousness, Jaundice, Constipation and all conditions caused by hepatic torpor.

DOSE—One to two teaspoonfuls three times a day. Put up in 1-2 pound bottles only

Free samples to Physicians upon request

Peacock Chemical Co., St. Louis, Mo.  
Pharmaceutical Chemists.

# PEACOCK'S BROMIDES

## THE BEST FORM OF BROMIDES

Each fluid drachm contains 15 grains of the neutral and pure bromides of Potassium, Sodium, Ammonium, Calcium and Lithium.

In Epilepsy and all cases demanding continued bromide treatment, its purity, uniformity and definite therapeutic action, insures the maximum bromide results with the minimum danger of bromism or nausea.

DOSE—One to three teaspoonfuls according to the amount of Bromides desired. Put up in 1-2 pound bottles only. Free samples to the profession upon request

Peacock Chemical Co., St. Louis, Mo.  
Pharmaceutical Chemists.

# SENG

## A Digestive Secernent

A preparation of Panax (Ginseng) which is being successfully employed to stimulate the secretory glands of the alimentary canal. Indicated in Indigestion, Malnutrition, and all conditions arising from a lack of digestive fluids.

DOSE—One or two teaspoonfuls three or more times a day

PUT UP IN 10 OZ. BOTTLES ONLY

Free samples to Physicians upon request

Sultan Drug Co., St. Louis, Mo.  
Pharmaceutical Chemists

# CACTINA PILLETS

## A Cardiac Tonic Stimulant

From Cereus Grandiflora (Mexicana)

Each Pillet containing One One-Hundredth of a grain of Cactina

Indicated in functional cardiac troubles, such as tachycardia, palpitation, feebleness; and to sustain the heart in chronic and febrile diseases. It is not cumulative in its action.

DOSE—One to three Pillets three or four times a day. Put up in bottles of 100 pillets

Free samples to Physicians upon request

Sultan Drug Co., St. Louis, Mo.  
Pharmaceutical Chemists



## **THE BLOOD IN DISEASE.**

**T**HE diagnosis of disease is rarely complete without a microscopic examination of the blood. Disturbance of the normal quality and quantity of the blood invariably affects the general health of the patient. The histological and chemical changes of the blood are an interesting study, as important in certain infectious diseases as bacteriological research.

The value of chalybeate medication may be accurately tested.

**PEPTO-MANGAN (GUDE)** when administered in indicated cases, and the results tested by the microscope, gives positive proof of its power to repair disturbed metabolism in all forms of blood poverty resulting from malnutrition, infectious diseases, surgical operations, etc., in fact, in all conditions where the blood has deteriorated.

**PEPTO-MANGAN (GUDE)** is ready for quick absorption and rapid infusion into the blood.

Prescribe an original bottle  
and avoid substitution.

Samples and literature sent upon application.

**M. J. BREITENBACH COMPANY,**

**New York, U. S. A.**

**42**

### **BACTERIOLOGICAL WALL CHART FOR PHYSICIAN'S OFFICE.**

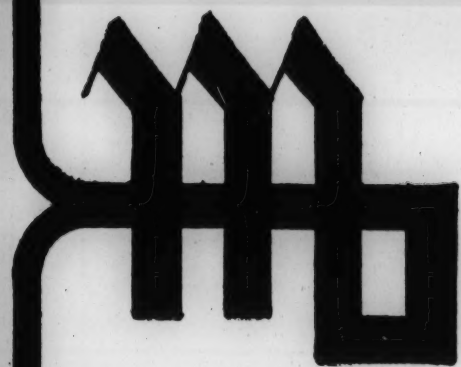
One of our scientific, and artistically produced, bacteriological charts in colors, exhibiting 60 different pathogenic micro-organisms, will be mailed free to any regular medical practitioner, upon request, mentioning this journal.

This chart has received the highest praise from leading bacteriologists and pathologists, in this and other countries, not only for its scientific accuracy, but for the artistic and skillful manner in which it has been executed. It exhibits more illustrations of the different micro-organisms than can be found in any one text-book published.

M. J. BREITENBACH CO., NEW YORK.



# Shot-Gun Mixtures and Therapeutic Jumbles



are carefully avoided by skillful therapists. Simplicity is the watchword of the successful prescriber.

There's a physiological completeness and simplicity about the formula of Hydroleine that appeals to every thoughtful physician. It contains none of the usual admixtures: no calcium, no malt, no phosphates,—no specific medication whatsoever. It's just the very best Lofoten cod-liver oil, rendered thoroughly digestible by careful pancreatization.

Write for sample and literature. Sold by all druggists.

THE CHARLES N. CRITTENTON CO., Sole Agents,  
115-117 FULTON STREET, NEW YORK

Copyright 1905, The C. N. Crittenton Co.

# Dr. Deimel Underwear (LINEN-MESH)

Best for Fall and Winter, both from the standpoint of healthfulness and comfort,

It insures freedom from Colds, keeps the body uniformly warm, and gives tone and vigor to the entire system.

*Write for Literature and Full Particulars.*

**Deimel Linen-Mesh Co., 1107 Van Ness Ave. San Francisco, Cal.**

—BRANCHES:—

NEW YORK, WASHINGTON, D. C., BROOKLYN, BALTIMORE, DETROIT, MONTREAL, CAN.,  
LONDON, ENG.

Dr. Deimel Linen-Mesh Supporters, Suspensories, etc., are made and sold exclusively by J. ELLWOOD LEE CO.  
Conshohocken, Pa.



# CALIFORNIA MEDICAL JOURNAL.

---

VOL. XXVIII.

DECEMBER, 1907.

No. 12.

---

## The So-Called Bubonic Plague.

THEODORE JUDSON HIGGINS, PH.G., M.D., M.S.

Synonyms according to Tyson: Oriental Plague, Black Plague, Black Death.

In our opinion the correct and more scientific appellation for this scourge is Malignant Polyadenitis.

The definition according to Tyson is as follows: "The plague is a febrile infectious disease characterized by a tendency to buboes, or carbuncles in addition to the usual phenomena of the typhoid state. Kitasato and Yersin, two independent investigators are the discoverers of the bacillus which closely resembles the bacillus of chicken cholera. According to Tyson there are two forms, *pestis minor* the endemic form, and *pestis major* the epidemic form, the malignant adenitis of James Cautlie. The *pestis siderans* or fulminant form is another severe variety in which death may

occur in twenty-four hours with associated hemorrhages.

The government printing office at Washington, D. C., 1900, finds it convenient to divide the plague into (a) bubonic or ganglionic; (b) septicemic, and (c) pneumonic forms. Of these the ganglionic or bubonic form is most frequent and the pneumonic form is the most fatal.

We most heartily endorse the expression in the editorial of the October Journal in which the editor deplors the use of the term plague, for it conveys a false impression; besides the term is not scientific and should not be applied to name a disease but rather to an epidemic. We reiterate this disease is malignant polyadenitis, and the different phases or expressions of its virulency in the given individual are in accord with the physiopatho-



logical conditions to be found existing in the personality of the aforesaid individual previous to infection and the morbid phenomena conforms to the vital resistance of the given patient and assumes the form in which the vital resistance is lowest and thus produces the variety of lesion so characteristic of this extremely fatal malady.

Again, we repeat this disease is malignant polyadenitis. The diagnostic features are a bacillus pestis bubonicæ of Yersin and Kitasato. The bacillus may be found in a drop of the blood of patients afflicted with this malady. It is a short rod-shaped body measuring on an average of two microns in length, and its form is subject to considerable variation. It not infrequently may be seen in chains of four to six or even more. The bacillus is occasionally encapsulated. It shows active Brownian movements which we presume caused Kitasato to call it motile whilst Yersin did not. Gordon claims that some at least of the bacilli have flagella.

We believe this latter statement to be true as confirmed by our studies. We think that probably, to be more technical, this bacillus on account of the shortness and thickness thereof could be styled as a cocco-bacillus. It is an aerobic organism. Not spore forming. Stains well by ordinary methods. Does not stain by Gram's method. After staining the organism is darker at the ends than at the center resembles somewhat in appearance a dumbbell or even a diplococcus. In some cases the bacillus may be found

in the blood upon post mortem examination; in others it does not exist in the blood after death but may be observed in the lymph glands of these latter cases after death. The bacilli may be found in the urine for nearly a week after convalescence of the patient.

Clinical symptoms are practically as follows: An incubation period two to seven days in cases of known exposure. One of the earliest characteristics is *intense weakness*. We wish to emphasize this point, intense weakness. A second period or prodrome may follow this though seldom. This prodrome is short when it does occur, usually lasting from a few hours to two days and includes headache, prostration, nausea, vomiting, vertigo and rarely lumbar pain. A severe chill promptly ensues and then the severe fever of infection and its usual accompaniments, a number of which are as follows: fearful headache, backache, even delirium, even the typhoid state are strongly manifest. The temperature rises very rapidly to 102° F, to 104° F, in an average run of cases and in some cases may go higher. A prominent characteristic of the glandular phase or expression is the suppurating glands which appear from the second to the third day and in order of frequency, the groin, the armpit, the neck or the popliteal region and are ordinarily from the size of a hickory nut to an egg, and if not incised with the lance will rupture of themselves. Upon the appearance of the glandular abscessed condition a fierce sweat appears, the temperature drops



to the subnormal even as low as 90° F. Results of septico pyæmia present. We may have in addition to the glandular abscesses, carbuncles on the lower extremities, the hips or even on the neck of the patient. In the pneumonic form we have the usual symptoms of pneumonia, the chills, fever, severe pain in the side, cough, rusty sputum and the physical signs of consolidation. The earlier the case is seen, the quicker diagnosis is made, the more successful the treatment which we are going to attempt to outline. We wish to emphasize the following points:

The intense weakness or prostration, the fever, the petechiæ or vibices resemble typhus fever. Remember no known fever is characterized by as severe prostration. The glandular abscess and the carbuncle are distinctive although they are said to be sometimes absent in the milder cases of a declining epidemic as well as in fulminant form of the disease or *pestis siderans* as some style it. The Diazo reaction of the urine is usually absent. According to various standard authorities this disease is said to be the most fatal of all disease expressions.

We will now undertake to elucidate a treatment which we believe from our experiences with stray cases from 1894 to 1900 and with sporadic cases occasionally coming under our care from time to time up to date, has proven eminently successful.

1st. During the period of extreme prostration, or more plainly, intense weakness in all cases, administer hypodermically a solution prepared as follows:

R Resublimed phenol C.P. grs. iv.  
Aqua pura, oz. i.

M. Sig. dr. ss., hypodermically, repeat in six hours if necessary; the apportionment to be administered should be warmed nearly to the temperature of the body of the patient, or if subnormal to 98-6° F. and applied by the infiltration method. Merck's phenol is our preference.

R Echafolta, dr. ii.  
Aqua pura, q. s. oz. iv.

M. Sig. Teaspoonful in water every thirty minutes during this period of weakness. If there is a prodromal condition intervening before the chill and febrile reaction administer during the prodromal period:

R Alstonia constricta, pulv., dr. ss.  
Quinia, sulph., dr. ss.

We prefer Lloyd's powd. alstonia, the bark of the Australian fever tree.

M. Sig. In five grain doses in capsules every hour in alternation with:

R Aconite, spec., gtt. xv.  
Aqua pura, oz. iv.

M. Sig. One drachm every hour in alternation with the alstonia comp. provided we have the small frequent wire like pulse, or we would use:

R Spec. veratrum, gtt. xxx.  
Aqua pura, oz. iv.

M. Sig. One drachm every hour in alternation with the alstonia comp. if the pulse is full and bounding, or,

R Spec. Baptisia, dr. ss.  
Aqua cinnamoni, q. s. oz. iv.

M. Sig. One ounce every hour in alternation with the alstonia comp. provided the tongue looks like tainted beef and the pulse is like a muddy stream full and oppressed; or,



R Rhus tox, *m.* xv.  
 Bryonia, *m.* xv.  
 Aqua, q. s. oz. iv.

M. Sig. One drachm every hour in alternation with the alstonia comp. if the fungiform papillæ on the edges of the tongue are prominent and there are indications pointing to inflammatory processes in serous membranes as the pleura, or later in the disease if synovitis is a complication,

R Bryonia, dr. ss.  
 Cactus, dr. i.  
 Aqua, q. s. oz. iv.

M. Sig. Teaspoonful every hour to effect, then every six hours.

One thing is sure during the prodrome the alstonia and quinia comp. is the remedy to administer with whatever other indicated remedy the physician in his judgment may see fit to give.

The glandular abscesses we incise freely, thoroughly cleansing same with per oxide of hydrogen. Then irrigation freely with Lloyd's asepsin, grains xxx to qt. of water at a temperature as near the normal temperature of the body as practicable. Then dress the wound with dry pulv. oxy-iodide of bismuth, we prefer Merck's preparation of the above chemical. Dress the wound once daily as above; it will heal. The carbuncles which are often present should be treated as follows:

R Phenol, resublimed, dr. ii.  
 Echafolta, dr. ii.

M. Sig. Ten to fifteen minims injected into each of the sinuses which make up the multiple core of the carbuncle, or,

R Metallic iodine, dr. ii.  
 Alcholis, 95 %, dr. ss.

M. Sig. Five to ten minims of the above injected into each sinus of the multiple boil or carbuncle.

Use a hypodermic syringe for the above work carrying the needle to the bottom of each sinus to make sure that it is well filled with the fluid. Then dress the wound with Mayers' ointment or echafolta cream, or comp. zinc ointment, U. S. P. until the core sloughs. In cases of threatened hemorrhage of the bowels we recommend the following:

R Spec. med. cinnamon, dr. ss.  
 Dest. Hammamelis, dr. ii.  
 Sub. nit. bismuth, dr. iv.  
 Aqua dest. oz. viij.

M. Sig. Tablespoonful every half hour.

As a matter of fact the above administered in all cases during the period of intense thirst which often appears, proves an excellent aseptic procedure.

The following assists materially in causing absorption of consolidation areas in the pneumonic variety.

R Spec. cactus, dr. i.  
 " jaborandi dr. ss.  
 Aqua q. s. oz. viij.

M. Sig. One drachm after meals thrice daily.

R Spec. berberis aquifolium, dr. i.  
 Spec. Rumex, dr. ii.  
 Stillingia, dr. i.  
 Aqua q. s. oz. viij.

M. Sig. One drachm before each meal thrice daily in half glass of water.

Of course food, hygienic measures, cleanliness about the person and their



surroundings is essential, and dry powdered unslaked lime used freely about the premises, outhouses, cess-pools, etc., etc. Four per cent. formaldehyde vapor for disinfecting rooms and premises, etc., etc., are all

thoroughly understood so there is no need of going into these details.

Of course there has been no epidemic, no plague in San Francisco, only a few sporadic cases of malignant polyadenitis.

### Plantago Major.

BY JOHN ALBERT BURNETT, AUBURN, ARKANSAS.

Recently I wrote a very short article on "Plantago Major," for Dr. J. W. Fyfe, which was published in the August 1907 Eclectic Review without my name, and of course Dr. Fyfe will receive credit for it by all who do not happen to read this article. The article was as follows:

The common name of plantago major is plantain. This is a very important remedy in many conditions and should be better known.

The local use of plantago has relieved stubborn cases of rheumatism and neuralgia and many other painful conditions. It is of much value when put in the ear to relieve earache or in a hollow tooth to relieve toothache. It is one of the best applications for burns and scalds and will give relief at once as it is a good analgesic and antiseptic. But few if any remedies will relieve sprains quicker than plantago. It is also of value in ophthalmia, bruises, etc. Likely "black eye," i. e., bruises about the eye could be relieved quicker by geranium, as the latter is a very important remedy for such injuries.

Many cases of diarrhea and dysentery can be relieved by enemata of plantago when many other remedies have failed to give relief. It not only controls the discharge but also the pain.

Plantago is of value in most all forms of hemorrhages and should not be lost sight of in malarial hematuria

A hot infusion of plantago is diaphoretic and soothing to the nerves, while cold perspirations increase the flow of urine and allay irritation. It is said to be a valuable remedy for "burning urine" when there is aching in the back. It has been used to influence the glandular system in scrofula struma, eczema, catarrh, gonorrhea and various other diseases.

When I first began the practice of medicine I bought a pound of plantain leaves from Huber & Fuhrman Drug Mills of Fond Du Lac, Wisconsin, and the first occasion that I had to use them was in a scald. A girl about 7 or 8 years old turned a kettle of very hot water on her foot which ran in the shoe; when the shoe and stocking were taken off considerable



skin came off with them. It was causing considerable pain. I dipped the plantain leaves in warm water and applied over the burn, and shortly the pain was eased and the place soon healed and was well; no other remedy was used.

The fluid extract can be used if desired on burns or scalds as follows:

R Fl. ext. plantago, oz. j.

Glycerin, oz. ij.

M. Sig. Apply locally after wetting place with water.

Physicians would do well to thoroughly investigate the analgesic properties of plantago in various ways, especially in rheumatism, neuralgia, toothache, earache, sprains, bruises, scalds, burns, erysipelas, boils, carbuncles, and in the rectum for tenesmus, in diarrhea and dysentery.

Another property of this agent should receive attention and that is its antiseptic effect in various conditions.

There was once an epidemic of dysentery which was refusing to yield to the indicated remedy and a physician found that a certain old lady was curing all cases that she treated. She would cure most all of them with

one enema, and when he found what the remedy was, it was plantago major, used by infusion and injected in the rectum.

The remedy can be injected in the rectum and will act as an astringent, antiseptic and algesic. When such injections are given a small amount of slippery elm can be used if desired, and the remedy can be used locally over the abdomen if thought best.

Plantain deserves a thorough trial in malarial hematuria as it is antiseptic, analgesic, diuretic and hemostatic. In such conditions it could be given internally by rectum and used locally.

Another condition, hemorrhage or threatened hemorrhage, in typhoid fever, plantago is of service.

Many cases of enuresis can be relieved by plantago; a good way to use it for this is to combine it with rhus, as follows:

R Fl. ext. plantago,

Fl. ext. rhus aromatica aa dr. iv.

Glycerin, oz. iij.

M. Sig. Dose, one-half to one teaspoonful every four to six hours.

Plantago deserves a trial as an injection in gonorrhoea, leucorrhoea and many diseases of the rectum.

## Notes on the Treatment of Epilepsy.

BY CHARLES J. ALDRICH, M. D.

I shall limit myself to the discussion of the so-called idiopathic epilepsy which actually means the epilepsy for which we can assign no certain cause. This, of course, will take out of the

discussion all cases of epilepsy resulting from exogenous poisons, such as alcohol, lead, etc., as well as those cases of epilepsy resulting from poisons manufactured within the body from



known causes, such as from Bright's disease, diabetes, etc. Also, we shall not consider the cases of epilepsy that result from gross disease of the brain, such as meningitis, tumors, etc. Epilepsy, either focal or general, which results from trauma, will not be considered. All of these epilepsies are secondary epilepsies.

Little gain was made in the treatment of epilepsy until the time that bromid salts were almost accidentally discovered to be of value in the treatment of the disease.

Sir Charles Locock was, perhaps, the first to recommend its use, in 1857. The use of bromid spread very rapidly and was used so indiscriminately in all forms of convulsive disease that, had it not been a remedy of such splendid possibilities, it would have long ago fallen into disrepute. For perhaps no other remedy, unless it is mercury, has produced such evil effects.

Careful consideration of all the facts in the case, and supported by a large number of personal observations of epileptics whose histories I have taken pains to follow over long periods of time, convinces me that in bromid we have the best remedy for the alleviation and cure of the epileptic habit.

I believe Sir William Gower is right when he states that many more cases of epilepsy are cured by bromid than the statistics show. The reason for this lies in the fact that we are unable to follow them up.

While the number of cases that I have personally observed and followed up is too small to eliminate the coefficient of error, yet they convince me

that a suitable case intelligently studied and then carefully treated by bromid stands a ten per cent chance of being cured, while the amount of alleviation that can be afforded in the incurable cases is very great. Indeed, it is a tremendous difference to a man and his family whether we are able, with careful treatment, to keep him from having a fit for three or four months instead of one every two or three days.

No one can be sure in a given case of epilepsy that bromid will be of any benefit whatever, although I think I must modify this statement very much, since I have been using the salt starvation method to which a more extensive reference will be made later.

Trousseau's great success in the treatment of epilepsy was due to the fact that he individualized every single case. I have for years followed this method as closely as possible.

The cases are first carefully studied and then the milder forms of treatment tried, to mitigate the number of attacks, before the bromid treatment is entered upon. Too much time, however, should not be wasted lest your patient becomes discouraged by the trying out of the various remedies that have a less baneful effect upon the system.

There seems to be a small proportion of cases that are benefited more by the simpler and less powerful drugs, and in all cases unless there is some particular reason, these remedies should be first tried. A critical consideration of these remedies will be taken up in their place.



In considering the bromids theoretically we would be led to believe that bromid of lithium is the most powerful and that bromid of sodium least useful. Clinical observation, however, absolutely disproves this fact. There seems to be, however, certain cases in which a combination of the various forms of bromid is more effective than the use of a single one.

There are a few useful rules which should be always considered in connection with the administration of the bromid salts.

1. In the beginning of the treatment a full or even large dose should be administered, and if it is not large enough to completely inhibit the attacks then it should be increased. But as soon as the attacks cease then the dose should be diminished until the smallest dose that will control all of the attacks, both slight and severe, should be administered and persistently continued.

2. The general health should be conserved by hygienic measures, and the bitter tonics should be continuously administered not only for their effect of increasing the appetite but for the stimulating effect which they exert upon the mucous membrane of the stomach.

3. The hour of administration is important. Each case should be studied and a table kept in which all the seizures, day and night should be recorded. This should be carried out in the early treatment of cases before the administration of the bromid. Careful study will reveal the hour most liable to the incident of the attack. In nocturnal

epilepsy, that occurs immediately after the patient falls asleep, the bromid should be given early in the evening. If the attacks come on after midnight then it should be given at ten o'clock, on retiring. If it occurs in the morning just before or after the patient awakens then the patient should be aroused at midnight and receive the largest dose. If, however, the patient has his attacks during the day he should receive his largest dose during the day; the first one early in the morning. Two doses in 24 hours is a safe rule.

4. Because of the tendency of bromid to irritate the stomach it is best taken near the meal hour, and I believe the smallest dose acts best if given an hour before. Sometimes when given in large quantities of water it seems to exert its greatest value.

5. The sudden withdrawal of the bromid is never advisable. Indeed, such injudicious procedure may invite *status epilepticus*.

Bromid intoxication must be and usually can be prevented. Your patient should be kept in a hygienic state that will favor elimination.

The smallest doses of bromid that will control the epilepsy should be found and then the patient should be watched for cumulative effects.

The administration of digitalis and belladonna, one alternating with the other for a period of three or four weeks seems to prevent bromid intoxication, and increase the intensity of its remedial effects upon the epilepsy without the deleterious effect upon the general constitution. Belladonna,



particularly when given along with arsenic and hydrotherapy, will prevent the disfiguring bromic acne.

In suitable cases the combination of bromid in some of the fatty oils such as sesame oil, seems to overcome its irritative qualities. Bromipin is of value. Spratling recommends it to be given as follows: Bromipin, 4 oz.; syrup simplex, 4 oz.; spirits of peppermint, 4 drs.; mucilage of acacia, enough to make 16 ounces. The dose of this mixture for an adult is two or three tablespoonfuls three times a day after meals.

I believe the greatest gain in the bromid treatment lies in the dechlorination or the salt starvation method, devised by Toulouse and Richert, which consists of the withdrawal of salt or the chlorid of soda and the substitution of bromid of sodium in the food. In this manner it is believed, and clinical observation appears to bear out their idea, that the blood takes the bromin from the bromid of sodium instead of the chlorin from the chlorid of sodium, and that this combination with the blood allows the over-sensitive nerve structures of the patient to be continually bathed in the most powerful antiepileptic agent known to us.

If the theory of Gower is correct, that undecomposed bromin passes into the epileptic's nerve structures and in some way restrains their morbid affinity for oxygen then this method should prove the most effective of any one at our disposal.

Clinically, I think this is true. In experimental cases that have resisted

all other forms of treatment I have found salt starvation with bromid of soda substituted to be the most effective, not alone in controlling the attacks, but in absolutely curing fully ten per cent of the cases.

The length of this paper will not allow me to refer to the many dangerous results from bromid poisoning, and no man should treat epilepsy who is not familiar with all its manifestations, nor should we entrust a patient with any prescription for a bromid preparation. Every patient taking bromid should be under the observation of a physician.

Digitalis is a very old remedy for epilepsy, in fact it was prescribed by Parkinson as far back as 1640. We should perhaps consider in this connection the other cardiac tonics, such as adonis, vernaes, convallaria and strophanthus. These remedies given alone are of very little value. When, however, they are given in conjunction with bromid in carefully selected cases, they seem to exhibit something beyond a synergistic effect.

Belladonna in full constitutional doses, I believe to be superior to either digitalis or any one of its congeners.

Cannabis Indica has appeared to be of signal benefit in the same class of cases that are benefited by the zinc preparations. The dose should be gradually increased until the physiologic effect is secured. In those cases of epilepsy occurring in people who also suffer from migraine and in which there seems to be a relation between the migraine and the epilepsy, it appears to possess curative powers. The



same cases are helped by the members of the anilin group, especially acetanilid.

Gelsemium is of distinct benefit in all forms of epilepsy, especially when combined with solanum.

Experimentation with fifteen cases of epilepsy in my clinic showed that one-half of one drachm of the fluid extract of solanum Carolinense three times a day was of benefit in reducing the number of attacks and in those patients with a good strong physique and digestive powers it was quite effective when combined with gelsemium.

The tincture of simulo, a plant of the hyssop family from South America has been investigated by Eulenberg. Peterson believes that it deserves a trial, since it is absolutely harmless, which cannot be said of bromid, digitalis, belladonna and other drugs used in epilepsy.

Nitroglycerin is of occasional benefit in epilepsy; usually, however, the convulsion is of senile or presenile origin. I believe it is a dangerous drug in the ordinary forms of epilepsy, and should rarely be used.

In a certain class of cases of momentary unconsciousness occurring in children, also in adults, with a small thready pulse who occasionally suffer from momentary lapses of unconsciousness, nitroglycerine appears to be of benefit. I believe that these cases are very likely closely associated with Stokes-Adams disease and are really circulatory affairs.

I have found very little benefit from the use of borax. Indeed, for the last five years I do not think I have pre-

scribed it in a single case. I have, however, found benefit in the administration of zinc, particularly zinc oxide, in fairly large doses,—eight to thirty grains a day.

I have also secured benefit from the administration of binoxid of manganese in from 9 to 25 grains a day. The cases of epilepsy in which this remedy has seemed of use were in the people of rather fleshy habit, with puffy faces, that would cause one to suspect the lack of proper thyroid secretion. In these cases I have invariably combined the thyroid extract with the binoxid and have been able, by following out these ideas and occasionally associating zinc or arsenic with those remedies, to reduce the attacks to a minimum without any evils from the medication itself. Indeed I can recall two positive cures.

The opium and bromid treatment of Flechsig I have rarely used except in *status epilepticus*, and then not as Flechsig recommends it. I prefer to produce a narcosis by the hypodermic injections of morphin instead of opium *per os* or *per rectum*, and at the same time giving large doses of bromid combined with chloral. Making a lumbar puncture and withdrawing the fluid if found to be in excess is good practice in *status epilepticus*.

In the beginning of the milder forms of epilepsy, I invariably resort to the milder treatment, such as zinc, binoxid of manganese, asafetida, acetanilid, hydrotherapy and out-door life before resorting to bromid.

The administration of strychnia has become a fad in medical practice. It



has largely taken the place of the habit of prescribing quinin, which obsessed our medical forefathers. It is often prescribed in epilepsy. It should never be administered in epilepsy. It increases the excitability of the nervous tissue and usually increases the number of spasms.

Surgery in its invasion of every department of medicine has been invoked for the cure of epilepsy. Trephining, while often of signal benefit in cases of gross brain disease or traumatic epilepsy, is occasionally of benefit in the so-called idiopathic epilepsy. Why it is we do not know. It is resorted to much less frequently than it was a few years ago, and some authorities absolutely condemn it. I have observed two cases in which trephining not only diminished the number of attacks, but the progressive deterioration of the mentality seemed to be arrested. I believe that the procedure is justifiable in selected cases.

Ligation of both cerebral arteries was recommended by Alexander, of Liverpool. The procedure was based upon a preconceived and erroneous idea of the pathology of the disease and is no longer thought of.

Janesco proposed the complete bilateral resection of the cervical sympathetic as a cure for epilepsy. Beck and Roswell Park have performed this operation and reported the usual improvement that follows almost any surgical interference in epilepsy, but there have been no later or supplementary reports indicating that the improvement has been permanent. I believe it is now relegated to the ex-

tensive limbo devoted to surgical fads and fancies.

One of the most recent proposals is that of Dr. Wyman, of Detroit Mich., of an operation for the relief of pyloric spasm as a cure for epilepsy. I am interested in knowing the results which he has secured. Until pyloric spasm can be shown to cause epilepsy I shall doubt its efficacy.

Abdominal section, particularly in the female, for the relief of certain gynecologic affections for the cure of epilepsy has been resorted to with about the same results as castration has in the male. Were it not for the placid confidence which the average female mind has in the gynecologist this procedure would have long ago been relegated to the same place that castration of the male has been.

A great many peripheral irritations have been supposed to be the cause of epilepsy. It appears to me that we can only explain the occasional cure of cases of epilepsy by relief of some peripheral irritation by assuming that the patient has the epileptic habit, by which I mean that he has inherited or acquired a peculiar erethistic condition of the nerve tissues which causes the brain to react against the ordinary peripheral stimulation in an unusual and peculiar manner.

Relief of intestinal autointoxication of children, teething, worms, eye strain, adherent prepuce will afford cure in occasional cases. And some epilepsies recover spontaneously—why, we know not.

In a man with an epileptic constitution, and I assume and feel positive that such a constitution is almost



necessary to the development of an epilepsy, he should be most carefully guarded against peripheral irritation.

The absolutely negative results which were attained by Gould and his associates at the Craig colony for epileptics in New York state by applying glasses ought to satisfy the most carping observer that a well established case of epilepsy is absolutely beyond the efforts of the refractionist.

It has been impossible for me to refer to the psychic treatment of epilepsy which is extremely important. The surroundings and the regular life which is maintained in colonies are nearly always beneficial. Out-door life is an extremely important means

in the care of epilepsy, particularly when the epilepsy develops in the sedentary individual in middle life without any history of syphilis, or without evidence of renal disease.

I have notes of the case of a man who took up the occupation of a traveling salesman, traveling entirely on foot, and which has resulted in the cure of a severe epilepsy that had been in existence for five years.

There has been a great deal of talk about the diet of the epileptic. A common sense diet in epilepsy is better than any scientifically regulated diet which the ultra dietetic specialist can foist upon his patient.—*The Kansas City Medical Record*.

## A Large Baby.

D. MACLEAN, M. D.

Large babies are not common every day occurrence. La Chapelle in over 7000 cases found none over 10 pounds. In 7515 deliveries in Boston Lying in Hospital the heaviest baby weighed only 12 pounds. The writer has delivered a number of 12 pound babies and one which weighed over 15 pounds.

Dr. Mattner of this city delivered Mrs. D. at the Irving Sanatorium, on November 8th, of a boy that weighed 17 pounds two ounces. This was a large baby only exceeded by Mrs. Bates, the so-called Nova Scotia giantess, who had two children, the first weighing 19 pounds and the second 28¾ pounds.

The causes usually ascribed for such large babies are, large size of the parents, secessive pregnancies, advanced age, and prolongation of the period of gestation. None of these causes could be attributed in this case. The mother's age is 28 and weighs 125 pounds. The father's age is 35 and

weighs 165 pounds. She had one child previously which weighed 11 pounds. Gestation was not prolonged as she was delivered on the expected 280 day.

When we consider that the average weight is from 7 to 8 pounds, this one weighing over 17 pounds, the average length 20 to 21 inches, this one 27 inches, we see how above the ordinary is this case. If we still further compare other measurements it will give us an idea of the difference between it and the ordinary. The occipito mental diameter was 9 inches, ordinary 5 inches; occipito frontal 8 inches, ordinary 4½ inches; biparietal 5½ inches, ordinary 3½ to 3¾ inches; binacromial 8½, ordinary 4¾ inches.

The child was still-born, having been dead several days. The delivery caused but a slight tear requiring only two sutures. The patient made a good recovery for which the doctor deserves great credit.



# HEADACHE

---

That form of **headache** known as **Migraine** is conceded by most physicians to be due to **autotoxemia** and may be **treated** in a **rational** and **effective manner** by the administration of a single daily dose of

## AKARALGIA

(Granular Effervescent Sodium Salicylate Compound)

**Just one dose** of this effervescent salt each morning, before eating, assures your patient **freedom** from the **suffering** which otherwise may, at any time, be expected by the **chronic migraine** victim.

No other plan of treatment will do this.

## AKARALGIA

contains no habit-forming drugs, and if given for a sufficient length of time, a cure may be anticipated in a reasonable percentage of cases treated.

Send for a reprint of Dr. Rachford's article—it contains complete formula.

---

**The Wm. S. Merrell Chemical Co.**

**New York**

**CINCINNATI**

**San Francisco**



# Materia Medica and Clinical Therapeutics.

BY F. J. PETERSEN, M. D.

Printed on good paper and substantially bound in cloth, 400 pages. Price \$3.00 prepaid.

The author considers drugs in their entirety; that is for their physiological, secondary and primary effect. This together with useful formulas and other useful information, makes it a work that will be appreciated by all liberal practitioners. It will be found to be a friend in time of need.

The following are selected from the many commendations given this work on Materia Medica and Clinical Therapeutics:

The work is a beautiful portrayal of Specific Medication and will be found of great service to the young student who is desirous of learning this great system of therapeutics as well as the old physician who likes a good thing and wants to know more about it. Modern Eclecticism.

After once becoming familiar with it, it will be found a good friend in time of need. The Los Angeles Journal of Eclectic Medicine.

This book is unique in that it presents so many totally distinct sections and considers both Eclectic and Homoeopathic therapeutics, though separately treated. Taken altogether it is a small cyclopedia of useful therapeutic memoranda and deserves to be on the book-shelf of both Eclectic and Homoeopathic practitioners. Eclectic Medical Gleaner.

The book is both original and practical, hence must prove useful. The Pacific Coast Journal of Homoeopathy.

The book shows a great amount of research and will serve both Eclectic and Homoeopathic physicians equally well. Eclectic Medical Journal.

His style and diction is quite original and we feel sure it will pay you to buy the book. The Eclectic Review.

The specific indications of all the drugs are certainly presented very thoroughly and practically. This is written for the Eclectic school and will be found a valuable acquisition to our literature. The Chicago Medical Times.

It deals not only with Eclectic Materia Medica, but with the old school and Homoeopathic remedies as well. California Medical Journal.

The most knowledge in a limited space is demanded everywhere and it will be found that these are the only kind of books that will be read. I congratulate you and bespeak for your book a worthy support. Albert J. Atkins, M. D.

It is most suggestive and helpful when one is wondering what next to do. I would not part with mine for three times its cost. James Beard, M. D.

The work is a credit to the school you represent. I can commend the work to every physician whatever his doctrine as to drug action or political divisions. Herbert T. Webster, M. D.

While the work is broad in its scope, it does not neglect the essentials but has kept the size in convenient bounds by omitting much useless data which so often encumbers the text books. Wm. C. Bailey, M. D.

If you want the latest, get Dr. Petersen's Materia Medica and Clinical Therapeutics. Address,

**The California Medical Journal**

970 Dolores Street

San Francisco, Cal.



**CALIFORNIA MEDICAL JOURNAL**

D. Maclean, M. D., Editor.

F. C. Maclean, M. D., Mgr.

Published Monthly, \$1.50 per year.

964 Dolores St., San Francisco, Cal.

**Editorial.****THE CALIFORNIA MEDICAL JOURNAL.**

With this number the California Medical Journal completes its twenty-eighth volume. It has passed through many vicissitudes since it was founded in 1880, by Dr. D. Maclean, and the prospects are that it will continue to prosper with the coming years. The earthquake and fire and the consequent evils, are now only a memory of troubles overcome. The more recent conditions of unrest and depression existing in San Francisco also are passing away, and as all things point now to a greater and more wonderful San Francisco, so do all things augur well for a greater and more prosperous California Medical Journal.

**PHYSICIAN'S ATTENTION.**

Drug stores and drug store positions anywhere desired in U. S., Canada or Mexico. F. V. Kinest, Omaha, Nebraska.

Dear Doctor:

I have just returned from Texas where I attended the Twenty-fourth annual meeting of the Texas Eclectic Medical Association at Dallas, October 23d and 24th. The Texas Eclectic

tics are wide awake. The Society has a membership of 150 out of a possible 220 in the state, and 75 were in attendance at the meeting which was a success in every way. I met Dr. M. E. Daniel the energetic Eclectic who is the President of the new Texas State Board of Medical Examiners, and the other Eclectic member, Dr. J. P. Rice.

The officers for the ensuing year are, President, G. W. Johnson, San Antonio; 1st Vice President; C. D. Hudson, Waco, 2nd Vice President; C. E. Frazier, Weatherford, Treasurer; M. E. Daniel, Honey Grove, Rec. Secretary; L. S. Downs, Galveston, Cor. Secretary; C. W. Watson, Lanier.

The next annual meeting will be held in Dallas, in October, 1908.

Sincerely,

JOHN K. SCUDDER.

**RARE FORMS OF HERNIA.**

Vaughan reports a case of superficial inguinal hernia of the right side. The displacement testis has come through the external ring and then had passed upward between the external oblique muscle and the superficial fascia. This was a congenital hernia. In another case, occurring in an old man, the bladder formed the herniated mass. A third case reported was one of peritoneal direct inguinal hernia, which came near to becoming an obturator hernia, but instead of passing through the obturator foramen, it passed on upward, to appear at the external ring above the pubes.—*New England Medical Monthly.*



(Resolutions adopted by the Executive Committee of the American National Red Cross, October 18, 1907).

WHEREAS, By international agreement in the Treaty of Geneva, 1864, and the revised Treaty of Geneva, 1906, "the emblem of the Red Cross on a white ground and the words Red Cross or Geneva Cross" were adopted to designate the personnel protected by this Convention, and

WHEREAS, The Treaty further provides (Article 23) that "the emblem of the Red Cross on a white ground and the words Red Cross or Geneva Cross can only be used whether in time of peace or war, to protect or designate sanitary formations and establishments, the personnel and material protected by this Convention," and

WHEREAS, The American National Red Cross comes under the regulations of this Treaty according to Article 10, "volunteer aid societies, duly recognized and authorized by their respective Governments," such recognition and authority having been conferred upon the American National Red Cross in the Charter granted by Congress, January 5, 1905, Section 2, "The corporation hereby created is designated as the organization which is authorized to act in matters of relief under said Treaty," and, furthermore,

WHEREAS, In the Revised Treaty of Geneva, 1906, in Article 27, it is provided that "the signatory powers whose legislation should not now be adequate, engage to take or recommend to their legislatures such meas-

ures as may be necessary to prevent the use by private persons or by societies other than those upon which this Convention confers the right thereto of the emblem or name of the Red Cross or Geneva Cross."

BE IT RESOLVED, That the Executive Committee of the American National Red Cross requests that all hospitals, health departments and like institutions kindly desist from the use of the Red Cross created for the special purpose mentioned above, and suggests that for it should be substituted some other insignia, such as a green St. Andrew's Cross on a white ground, to be named the "Hospital Cross," and used to designate all hospitals (save such as are under the Medical Departments of the Army and Navy and the authorized volunteer aid society of the Government), all health departments and like institutions, and, further,

BE IT RESOLVED, That the Executive Committee of the American National Red Cross likewise requests that all individuals or business firms and corporations who employ the Geneva Red Cross for business purposes, kindly desist from such use, gradually withdrawing its employment and substituting some other distinguishing mark.

#### THE SERUM TREATMENT OF EXOPHTHALMIC GOITRE.

Harriet C. B. Alexander discusses the subject and reports thirteen cases. Four principal theories of the disease have been advanced: (1) That it is due to disease of the sympathetic ner-



vous system; (2) that the seat of the malady is the medulla oblongata; (3) that it is primarily a disease of the thyroid gland; and (4) that it is a neurosis.

Modern therapeutic measures have been largely based on the "thyroid" theory. The results of partial strumectomy indicate that the successful removal of a portion of the thyroid gland can lead to cure or to definite amelioration of the condition. On the theory that the thyroid secretion normally neutralizes certain general metabolic poisons in the body, Moe-bius and others conceived of treating cases of exophthalmic goitre, in which there is presumably an excess of thyroid secretion in the body, by introducing subcutaneously, or by the mouth, the serum of thyroidectomized animals. It was hoped that the non-neutralized general metabolic poisons of such animals would nullify the toxic effect of the excessive thyroid secretion. As to the treatment, experience has shown the great importance of general measures: complete rest for a time, fresh air, careful diet, mild balneotherapy, etc.

The name Thyroidectin has been given to a preparation obtained under aseptic precautions from the blood of animals from which the thyroid glands have been removed, and which is exhibited as a reddish-brown powder contained in capsules, usually five grains each. Carefully conducted clinical trials seem to show that Thyroidectin can be depended upon to control the characteristic symptoms of exophthalmic goitre. In most cases

the patient experiences much relief from the restlessness, tremors insomnia and other nervous symptoms so frequently present, and a gradual lessening of the frequency of the pulse rate, decrease in the size of the glands, and a diminution of the exophthalmos, with an increase of weight and a much better condition generally. The dose of Thyroidectin seems to be one or more capsules after each meal, according to the judgment of the physician and the reaction of the patient.

In nine of the author's thirteen cases the size of the gland was materially reduced, and in every case improvement was observed with respect to one or more of the symptoms.—*The American Practitioner and News*, August, 1907.

#### RELIEF IN RHEUMATOID CONDITIONS.

Dr. Pettingill, of New York City, under the head of "Intestinal Antisepsis," reports some excellent experiences, from which the following is selected:

"Every physician knows full well the advantages to be derived from the use of antikanmia in very many diseases, but a number of them are still lacking a knowledge of the fact that antikanmia in combination with various remedies, has a peculiarly happy effect. Particularly is this the case when combined with salol. Salol is a most valuable remedy in many affections; and its usefulness seems to be enhanced by combining it with antikanmia. The rheumatoid conditions so often seen in various manifestations are wonderfully relieved by the use of



this combination. After fevers, inflammation, etc., there frequently remain various painful and annoying conditions which may continue, namely: the severe headaches which occur after meningitis, a "stitch in the side" following pleurisy, the precordial pain of pericarditis and the painful stiffness of the joints which remain after a rheumatic attack—all these conditions are relieved by this combination called 'Antikamnia & Salol Tablets' containing  $2\frac{1}{2}$  grs., each of antikamnia and of salol and the dose of which is one or two every two or three hours. They are also recommended highly in the treatment of cases of both acute and chronic cystitis. The pain and burning is relieved to a marked degree. Salol neutralizes the uric acid and clears up the urine. This remedy is a reliable one in the treatment of diarrhoea, enterocolitis, dysentery, etc. In dysentery, where there are bloody, slimy discharges, with tormina and tenesmus, a good dose of sulphate of magnesia, followed by two antikamnia & salol tablets, every three hours, will give results that are gratifying."

#### THE USE AND ABUSE OF CARDIAC STIMULANTS.

HARE (Therapeutic Gazette).

"In this article the author discusses the common disregard of certain essential details concerning the action of cardiac stimulants. Physicians themselves probably suffer more as a class from this abuse. The "tired heart" commonly existing among physicians usually receives at their hand excessive doses of digitalis in-

stead of the indicated rest. Strong coffee and other adjuncts are also self-prescribed, causing an increase of the cardiac disorder. Another erroneous use of cardiac stimulants is their employment in a state of undue excitement in which condition cardiac sedatives are needed. Not uncommonly cardiac irregularity calls for small doses of aconite or veratrum viride. Again a patient with a feeble heart receives digitalis when in reality the cause of the feebleness lies in a degenerated heart muscle, which is incapable of gaining any advantage from this drug. In fact by contracting a blood vessel digitalis increases the labor of the heart. Under these circumstances strophanthus or cactus, the action of which is cardiac, but slightly if at all vacular, should be used."—*Interstate Medical Journal*.

This is one of the numerous instances in which cactus is advantageously used. The expressions of the medical profession on *Cereus Grandiflorus* and *Cactina Pillets*, which truly presents the therapeutic properties of the drug in the highest form, are very encouraging. It seems that any drug that offers assistance in cardiac complications, and especially if it is devoid of the objectionable features of stronger cardiac remedies, should command the earnest attention of the bedside practitioner.

ADMINISTERED AFTER OPERATION, Fellows' Hypophosphites exercises a most beneficial influence upon the patient's nutrition, fortifying the recuperative powers, and thereby hastening convalescence.

The psychological depressions and neuralgias so common in the period following a debauch, are lessened or disappear altogether by the use of Celerina.



REMEMBER THAT THE DRIPPING OF THE URINE in adult life usually denotes the overflow of a distended bladder, possibly occasioned by muscular relaxation of the bladder or the commencement of hypertrophy of the prostate. Sanmetto is the indicated remedy.

Rheumatic sore throat exhibits no exudate and no pus formation, but the membrane is a decided red, often rather dark, and is markedly aggravated by weather conditions that increase rheumatic symptoms. Local treatments and even the usually successful internal medicines for ordinary sore throat are insufficient."

Tongaline or Tongaline & Lithia Tablets by rapidly expelling the poisons which are the source of the complaint will secure most beneficial results.

### Book Notes.

**The Practitioners' Visiting List for 1908.** An invaluable pocket-sized book containing memoranda and data important for every physician, and ruled blanks for recording every detail of practice. The Weekly, Monthly and 30-Patient Perpetual contain 32 pages of data and 160 pages of classified blanks. The 60-Patient Perpetual consists of 256 pages of blanks alone. Each in one wallet-shaped book, bound in flexible leather, with flap and pocket, pencil and rubber, and calendar for two years. Price by mail, post-paid, to any address, \$1.25. Thumb-letter index, 25 cents extra.

Descriptive circular showing the several styles sent on request. Lea Brothers & Co., Publishers, Philadelphia and New York.

**Visiting and Pocket Reference Book (Perpetual) 1908.** J. H. Chambers & Co., Publishers, St. Louis, Missouri. Revised and enlarged, handsomely vellum bound, lapel, pocket size. Price 50 cents. Condensed, at the same time sufficiently elaborate to give such information required in a book of this character. Convenient to carry in the pocket; containing 128 printed and blank pages. The Publishers will mail copy post-paid on receipt of 24 2c. stamps.

**Practice of Medicine for Students and Practitioners.** By James Magoffin French, A. M., M. D. Formerly Lecturer on the Theory and Practice of Medicine, Medical College of Ohio. Third revised edition. Published by William Wood & Co. Price \$6.00.

This is a work of over 1200 pages. It is a most complete practice of medicine and up to date. The principal changes made in this edition has been in the sections on the infectious diseases, the diseases due to parasites, and nervous diseases. Full consideration is given to tropical diseases. Many new illustrations have been inserted which are of great value to the student and practitioner.

**A Text Book of Pathology.** By Francis Delafield, M. D., LL. D., and T. Mitchell Prudden, M. D., LL. D. Eighth Edition; Octavo, 1075 pages, illustrated by thirteen full-page plates in black and chromolithography, and by six hundred and fifty line and half-tone cuts in the text, in black and various colors. Extra muslin \$5.50 net; leather, \$6.50 net. Wm. Wood & Co., New York.



This work hardly needs commendation. It is familiar to all students of Pathology. This, the eighth edition, amplyfies the section devoted to general pathology. The relationship of pathology to the allied phases of Biological sciences is given more attention than in former editions. No student of pathology or general practitioner can afford to be without this complete and up to date work.

**Dyspnœa and Cyanosis.** By Professor Edmund Von Neusser, M. D., Professor of the Second Medical Clinic, Vienna, Associate Editor Nothnagle's Practice of Medicine. English translation by Andrew MacFarlane, M. D. Published by E. B. Treat & Co. Price \$1.50.

This is Part I of a Series of Monographs devoted to the Disorders of Respiration and Circulation, giving the symptoms and diagnosis. It accentuates the value of the study of symptoms at the bedside, where the

diagnosis must in the majority of cases be determined.

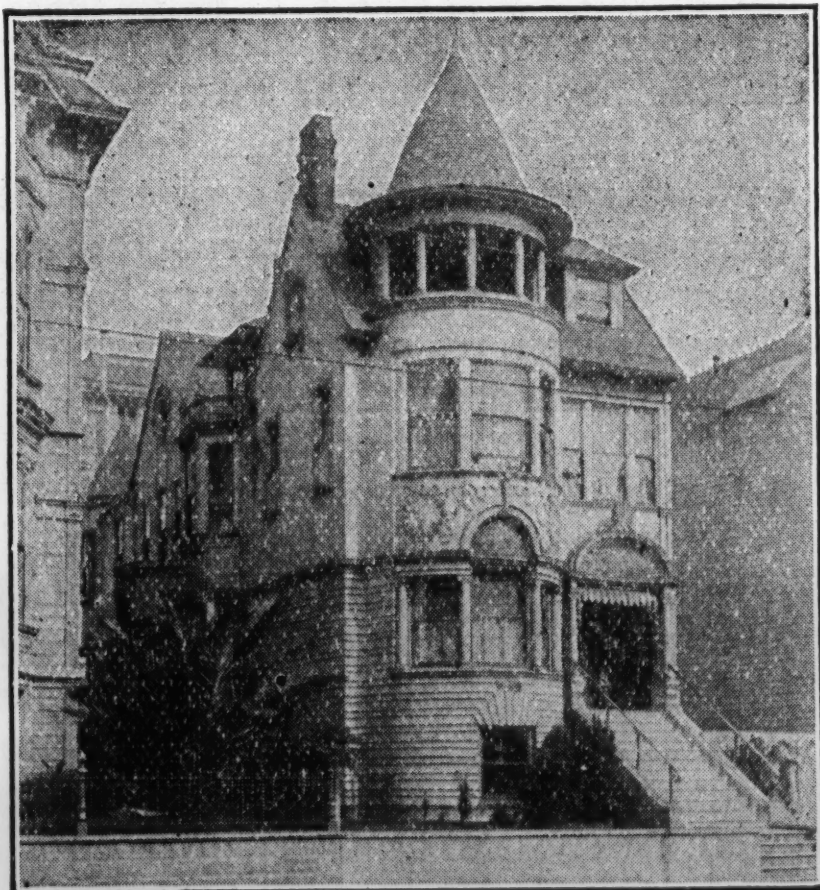
**Dose Book of Specific Medicines.** Lloyd Brothers. Cincinnati, Ohio.

This is an invaluable little book. It gives the indications, use and dose of all Specific Medicines as used by Eclectic physicians. It is a Materia Medica and Practice of Medicine combined.

**Medical Record Visiting List for 1908.** Price \$1.25. William Wood & Co. New York.

The finest and most complete published. Thoroughly revised to date. It gives the maximum doses of remedies in apothecaries and decimal systems, and indications for their use.

**Physicians' Visiting List for 1908.** P. Blakiston's Son & Co. Price \$1.00, is ready in its usual excellent form.



## IRVING SANATORIUM

Surgical and Medical cases given the most careful attention under the direction of the patient's attending surgeon or physician.

Best nurses in attendance.

A QUIET SANITARY HOME  
IN CONFINEMENT

HOUSE PHYSICIAN IN ATTENDANCE  
OR PATIENTS MAY HAVE  
THEIR OWN.

906 EDDY STREET, SAN FRANCISCO

Telephone Franklin 379



# A DELIGHTFUL REVELATION

---

The value of Senna as a laxative is well known to the medical profession, but to the physician accustomed to the ordinary senna preparations, the gentle yet efficient action of the pure laxative principles correctly obtained and scientifically combined with a pleasant aromatic syrup of California figs is a delightful revelation, and in order that the name of the laxative combination may be more fully descriptive of it, we have added to the name Syrup of Figs "and Elixir of Senna," so that its full title now is "**Syrup of Figs and Elixir of Senna.**"

It is the same pleasant, gentle laxative, however, which for many years past physicians have entrusted to domestic use because of its non-irritant and non-debilitating character, its wide range of usefulness and its freedom from every objectionable quality. It is well and generally known that the component parts of Syrup of Figs and Elixir of Senna are as follows:

Syrup of California Figs . . . . .	75 parts
Aromatic Elixir of Senna, manufactured by our original method, known to the California Fig Syrup Co. only .	25 parts

Its production satisfied the demand of the profession for an elegant pharmaceutical laxative of agreeable quality and high standard, and it is, therefore, a scientific accomplishment of value, as our method ensures that perfect purity and uniformity of product required by the careful physician. It is a laxative which physicians may sanction for family use because its constituents are known to the profession and the remedy itself proven to be prompt and reliable in its action acceptable to the taste and never followed by the slightest debilitation.

## ITS ETHICAL CHARACTER.

Syrup of Figs and Elixir of Senna is an ethical Proprietary remedy and has been mentioned favorably, as a laxative, in the medical literature of the age, by some of the most eminent living authorities. The method of manufacture is known to us only, but we have always informed the profession fully, as to its component parts. It is therefore not a secret remedy, and we make no empirical claims for it. The value of senna, as a laxative, is too well known to physicians to call for any special comment, but in this scientific age, it is important to get it in its best and most acceptable form and of the choicest quality, which we are enabled to offer in Syrup of Figs and Elixir of Senna, as our facilities and equipment are exceptional and our best efforts devoted to the one purpose.

## CALIFORNIA FIG SYRUP CO.

### ADDRESSES:

San Francisco, Cal.

Louisville, Ky.

U. S. A.

New York, N. Y.



# **SANMETTO** FOR GENITO-URINARY DISEASES.

A Scientific Blending of True Santal and Saw Palmetto with Soothing Demulcents  
in a Pleasant Aromatic Vehicle

**A Vitalizing Tonic to the Reproductive System.**

SPECIALLY VALUABLE IN  
PROSTATIC TROUBLES OF OLD MEN—IRRITABLE BLADDER—  
CYSTITIS—URETHRITIS—PRE-SENILITY.

DOSE:—One Teaspoonful Four Times a Day.

**OD CHEM. CO., NEW YORK.**

## **OKLAHOMA MEDICAL COLLEGE**

FOUR YEARS' GRADED COURSE

(EIGHT MONTHS EACH)

**Annual Session Begins September 19, 1907**

Instruction by LECTURES, RECITATIONS, CLINICS, LABORATORY WORK AND PRACTICAL OPERATIONS.

Special attention is paid to bedside instruction.

WELL EQUIPPED Laboratories in ALL departments.

Excellent clinical advantages in dispensary and hospitals.

For Students who desire to avoid the rigor of the Winters in the North,  
there is no better place than Oklahoma City. Mild, Equable Climate  
ALL WINTER.

For further information address:

Y. E. COLVILLE, M. D., SEC'Y. or J. R. PHELAN, M. D., DEAN.  
OKLAHOMA CITY, OKLAHOMA.

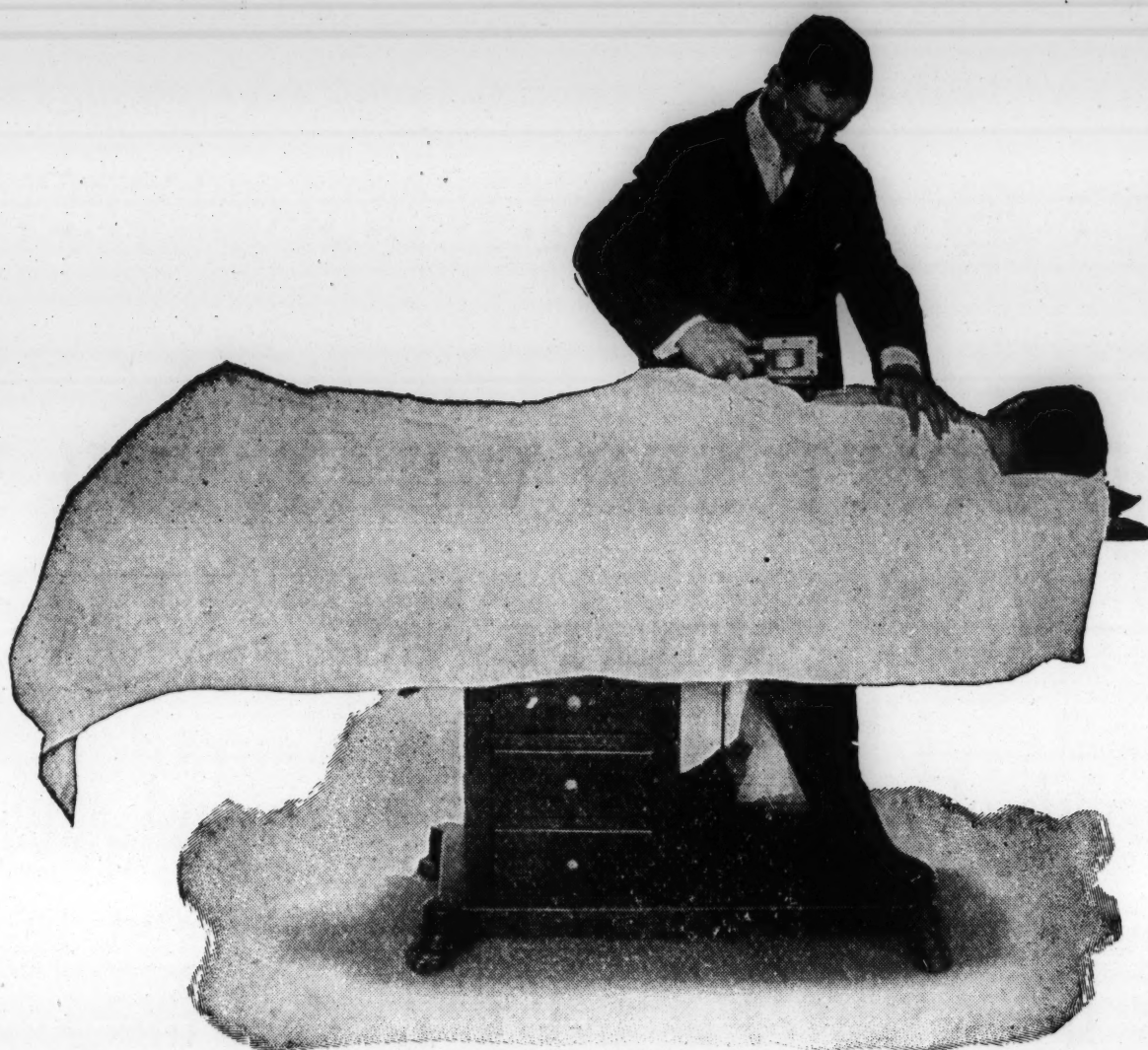


# THE PHYSICIAN'S VIBRAGENITANT AND FLUID VIBRATODES

\$45.00

to

\$75.00



Delivered

to  
you

Liberal  
Terms  
of  
Payment

*Spinal Treatment with Cushion Ball No. 4*

For three years clinical results have been proving our claims for .....deep penetration by high frequency vibrations and not by force and pressure. Hundreds of physicians using the Vibragenitant and Fluid Vibratodes for sensitive parts, write us, that they have used many other vibrators before obtaining ours, and that the Vibragenitant with its true vibrations produces the best therapeutic results.

THAT IS WHAT IT IS FOR—RESULTS.

*Our 1907 Catalog is full of facts*

about vibration and vibrators and will be sent you FREE, on request.

CAN YOU AFFORD NOT TO INVESTIGATE?

**THE SAM J. GORMAN CO.**

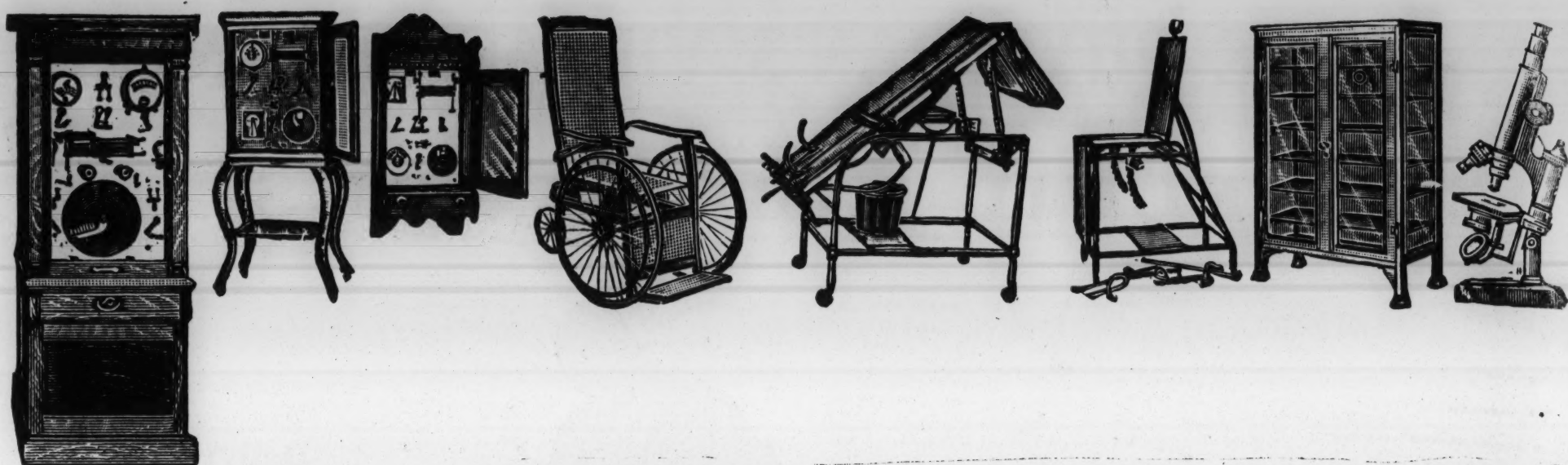
MANUFACTURERS

VIBRATORY AND ELECTRICAL SPECIALTIES

161-163 So Canal St.

Chicago





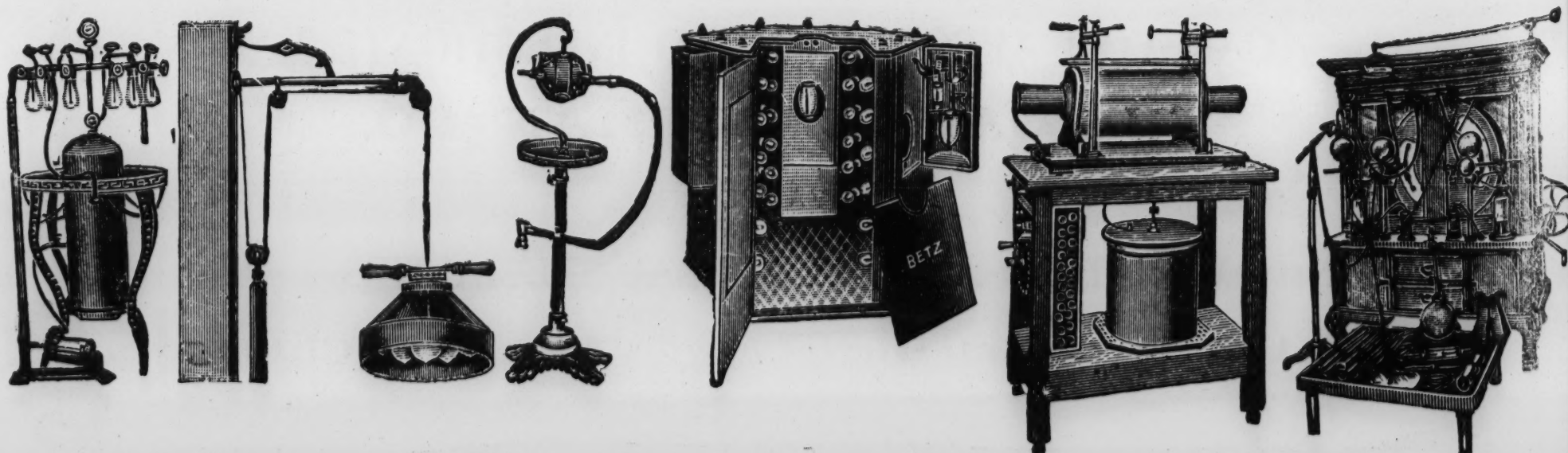
## IF YOU DON'T SEE WHAT YOU WANT WRITE US

We make thousands of articles. We guarantee and stand back of every thing we make. No firm in the world can meet our prices on the same class of goods. If you buy of us and do not find the goods equal to what any other firm in America could sell you at their high price, send it back.

SEND FOR OUR NEW CATALOGUE.

**FRANK S. BETZ CO.**

HAMMOND, IND.





# Katharmon

**KA-THAR-MON**  
**ANTISEPTIC · PROPHYLACTIC · DETERGENT**

**Y**IELDS THE BEST RESULTS IN THE TREATMENT OF INTESTINAL CATARRH. GIVEN INTERNALLY IS AN APPROPRIATE METHOD FOR OVERCOMING THE FERMENTATIVE PROCESSES THAT TEND TO EXCITE AND MAINTAIN THE CONDITION.

Katharmon represents in combination Hydrastis Canadensis, Thymus Vulgaris, Mentha Arvensis, Phytolacca Decandra, 10½ grains Acid Borosalicylic, 24 grains Sodium Pyroborate to each fluidounce of Pure Distilled Extract of Witch Hazel. A Sixteen-ounce Bottle to Physicians who will pay Express Charges.

**Katharmon Chemical Co. ST. LOUIS, MO.**

**A HABIT THAT WILL PAY YOU**

**Buying your PAPER from**

**BONESTELL, RICHARDSON AND CO.**

**California's Leading Paper Dealers**

**473-485 SIXTH ST.**

**SAN FRANCISCO**

## **The Los Angeles Eclectic Policlinic**

### **A Postgraduate Medical School**

#### **ORGANIZED**

To teach disease conditions as modified by the climate of Southern California.

To demonstrate the latest methods of surgical technic.

To afford facilities for a thorough review of the theoretical branches.

To provide modern laboratory apparatus for the study of Pathology and Bacteriology.

For further information address

**Dr. J. A. MUNK, Dean,**

337 Douglass Building,

Los Angeles, Cal.



# THE LATEST Eclectic Publications.

*The latest books will always be found on this page.*

**Essentials of Medical Gynecology.** By A. F. Stephens, M. D., Professor of Medical Gynecology in the American Medical College, St. Louis, Mo. 12mo, 428 pages, fully illustrated. Cloth, \$3.00, postpaid. 1907.

**Diseases of the Digestive Organs.** For students and practitioners. By Owen A. Palmer, M. D., Cleveland, O., Member Ohio State Eclectic Medical Association, etc. 8vo, 524 pages, cloth, \$3.00. 1907.

**Treatment of Disease.** By Finley Ellingwood, M. D., Chicago, Editor Ellingwood's Therapeutist. Two volumes, 8vo, 1100 pages. Cloth, \$6.00 per set, postpaid. 1907.

**Diseases of the Nose, Throat and Ear.** By Kent O. Foltz, M. D., Professor of Ophthalmology, Otology, Rhinology, and Laryngology in the Eclectic Medical Institute, Cincinnati. 700 pages, 12mo, fully illustrated, Cloth, \$3.50, postpaid. 1906.

**The Eclectic Practice of Medicine.** By Rolla L. Thomas, M. D., Dean and Professor of Practice in Eclectic Medical Institute, Cincinnati. 8vo, 1033 pages, fully illustrated in colors and black. Cloth, \$6.00; sheep, \$7.00, postpaid. 1906.

**A Handy Reference Book to Specific Medication.** By J. S. Niederkorn, M. D., Versailles, O. 16mo, pocket size, 151 pages. Flexible leather, \$1.25. 1905.

**Materia Medica and Clinical Therapeutics.** By F. J. Petersen, M. D., Lompoc, Cal. 12mo, 400 pages, Cloth, \$3.00. 1905.

Complete price list on request.

**F. C. MACLEAN, M. D.**

964 Dolores St., SAN FRANCISCO, CAL.



## NEURILLA FOR NERVE DISORDERS NEURILLA

If Patient suffers from **THE BLUES** (Nerve Exhaustion), Nervous Insomnia, Nervous Headache, Irritability or General Nervousness, give four times a day one teaspoonful **NEURILLA** →

Prepared from *Scutellaria Lateriflora*,  
*Passiflora Incarnata* and Aromatics.

DAD CHEMICAL COMPANY, NEW YORK AND PARIS.



# BROMIDIA.

TO EVERY DRACHM OF FLUID ARE  
ADDED 15 GRAINS EACH OF PURE  
CHLORAL HYDRATE AND PURIFIED  
BROM. POT.; AND  $\frac{1}{8}$  GRAIN EACH OF  
GEN. IMP. EX. CANNABIS IND. AND  
HYOSCIAM.—IS THE ONLY HYPNOTIC  
THAT HAS STOOD THE TEST FOR  
THIRTY YEARS IN EVERY COUNTRY IN  
THE WORLD.

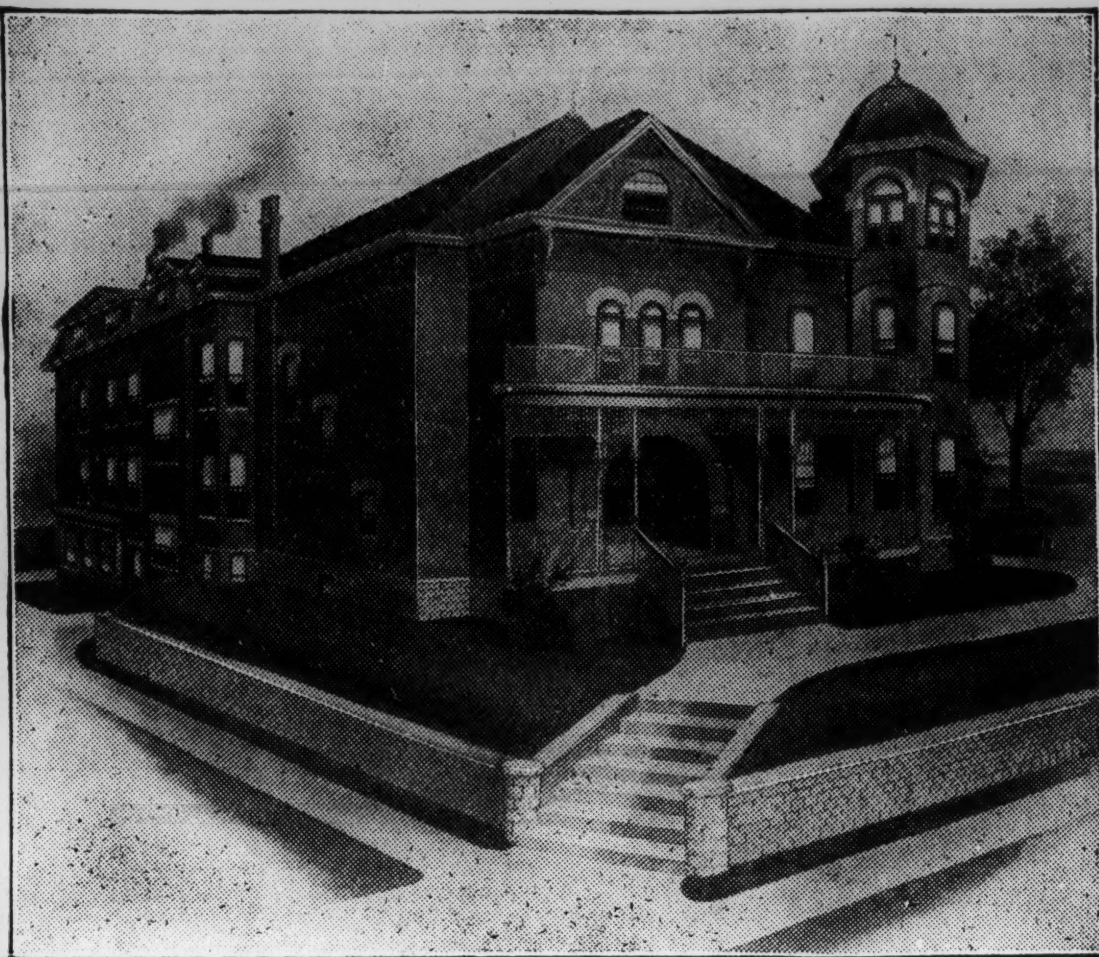
**ECTHOL**

**IODIA**

**PAPINE**

**BATTLE & CO.,** CHEMISTS CORPORATION, ST. LOUIS, MO., U. S. A.





## The Ralph Sanitarium

For the Treatment of

### Alcoholism and Drug Addictions

**T**HE method of treatment is new and very successful. The withdrawal of the drug is not attended by any suffering, and the cure is complete in a few weeks' time. The treatment is varied according to the requirements of each individual case, and the restoration to normal condition is hastened by the use of electricity, massage, electric light baths, hot and cold tub and shower baths, vibratory massage, and a liberal well-cooked, digestible diet. A

modern, carefully conducted home sanitarium, with spacious surroundings, and attractive drives and walks. Electro- and Hydro-therapeutic advantages are unexcelled. Trained nurses, hot water heat, electric lights. Special rates to physicians. For reprints from Medical Journals and full details of treatment, address

**DR. B. B. RALPH** 529 Highland Avenue **Kansas City, Mo.**

## 60 YEARS' EXPERIENCE **PATENTS** TRADE MARKS DESIGNS COPYRIGHTS &C.

Anyone sending a sketch and description may quickly ascertain our opinion free whether an invention is probably patentable. Communications strictly confidential. **HANDBOOK** on Patents sent free. Oldest agency for securing patents. Patents taken through Munn & Co. receive special notice, without charge, in the

### Scientific American.

A handsomely illustrated weekly. Largest circulation of any scientific journal. Terms, \$3 a year; four months, \$1. Sold by all newsdealers.

**MUNN & Co.** 361 Broadway, New York  
Branch Office, 625 F St., Washington, D. C.

## SAL HEPATICA

The original effervescent Saline Laxative and Uric Acid Solvent. A combination of the Tonic, Alterative and Laxative Salts similar to the celebrated Bitter Waters of Europe, fortified by addition of Lithia and Sodium Phosphate. It stimulates liver, tones intestinal glands, purifies alimentary tract, improves digestion, assimilation and metabolism. Especially valuable in rheumatism, gout, bilious attacks, constipation. Most efficient in eliminating toxic products from intestinal tract or blood, and correcting vicious or impaired functions.

Write for free samples.

**BRISTOL-MYERS CO.**  
Brooklyn - New York.





## THE ECLECTIC MEDICAL JOURNALS..

	PRICE
American Medical Journal, 2900 Lawton st., St. Louis, Mo.	\$ 1.00
California Medical Journal, 964 Dolores st., San Francisco, Cal.	1.50
Chicago Medical Times, 1495 Madison st., Chicago, Ills.	1.00
Eclectic Medical Gleaner, 224 W Court st., Cincinnati, O.	1.25
Eclectic Medical Journal, 1009 Plum st., Cincinnati, O.	2.00
Eclectic Review, 140 W 71st st., New York, N. Y.	1.00
Ellingwood's Therapeutist, 100 State st., Chicago	1.00
Los Angeles Journal of Eclectic Medicine, 337 Douglas Bldg., Los Angeles, Cal.	1.00
Medical Arena, 1214 Maine st., Kansas City, Mo.	1.00
Medical Harbinger, 910 Lami st., St. Louis, Mo.	.50
Modern Eclecticism, 623 Austell Bldg., Atlanta, Ga.	1.00
Nebraska Physician, Fraternity Bldg., Lincoln, Neb.	1.00
Therapeutics and Dietetics, 703 Washington st., Dorchester Dist. Boston, Mass.	1.00



# Eclectic Medical Books

All of the Books below are listed at strictly net Prices.

<b>COOPER, WM. COLBY,</b>	Tethered Truants, 12mo, 200 pages, cloth.....	\$1 00
do do	Immortality, 12mo, 173 pages, cloth.....	1 00
do do	Preventive Medicine, 147 pages, cloth.....	1 00
<b>ELLINGWOOD,</b>	Materia Medica and Therap., 8vo, 811 pp. cloth, \$5.00; sheep,	6 00
<b>FARNUM,</b>	Orthopedic Surgery, 8vo, 554 pp. cloth.....	5 00
<b>FELTER-LLOYD,</b>	American Dispensatory, 2 vols. each, cloth, \$4.50; sheep,	5 50
<b>FOLTZ,</b>	Diseases of the Eye, 12mo, 566 pp, cloth.....	2 50
do	Nose, Throat and Ear Illustrated. 12mo., 650 pages, cloth.....	3 50
<b>FYFE,</b>	Materia Medica and Therapeutics, 12mo, 344 pp. cloth.....	2 00
<b>GOSS.</b>	The Practice of Medicine, 8vo, 569 pp. cloth.....	1 50
<b>HOWE:</b>	Fractures and Dislocations, 8vo, 426 pp. cloth, \$1.50; sheep,.....	2 00
do	Operative Gynecology 8vo. 360 pp. sheep.....	4 00
<b>KING.</b>	Family Physician, 8vo, 1042 pp. morocco.....	6 50
do	Chronic Diseases, 8vo, 1700 pp. sheep.....	8 50
do	Am. Dispensatory (Felter-Lloyd), 2 vols, each, cloth, \$4.50; sheep,	5 00
do	Eclectic Obstetrics, 8vo, 757 pp. sheep.....	5 50
do	Diseases of Women, 8vo, 366 pp. cloth \$1.50; sheep.....	2 00
<b>LLOYD.</b>	Etidorhpa, 8vo, illustrated, 362 pp. cloth.....	1 50
do	The Right Side of the Car, paper.....	50
do	Stringtown on the Pike, 12mo, cloth.....	1 50
do	Warwick of the Knobs, 12mo, 305 pp. cloth.....	1 50
do	Redhead, illustrated, 12mo, 208 pp. cloth.....	1 60
do	Scroggins, 12mo, 119 pp. cloth.....	1 50
<b>LOCKE-FELTER.</b>	Materia Medica, 12mo, 500 pp. cloth.....	2 50
<b>MUNDY.</b>	Diseases of Children, 12mo, 600 pp. cloth.....	2 50
<b>MUNK.</b>	Arizona Sketches, 8vo, 230 pp. cloth.....	2 00
<b>NIEDERKORN,</b>	A handy Reference Book to Specific Medication, 151 pp. leath.	1 25
<b>PETERSEN,</b>	Materia Medica and Clinical Therap. 12mo, 400 pp. cloth.....	3 00
<b>SCUDDER. J. M.</b>	Eclectic Practice of Medicine, 8vo, 816 pp. cloth, \$4.50; sh.	5 00
do	Principles of Medicine, 8vo, 350 pp. cloth, \$1.50; sheep.....	2 00
do	Diseases of Women, 8vo, 534 pp. cloth, \$2.75; sheep.....	3 50
do	Specific Medication, 12mo, 432 pp. cloth.....	2 00
do	Specific Diagnosis, 12mo, 388 pp. cloth.....	1 50
do	Materia Medica and Therapeutics, 8vo, 748 pp. cloth, \$4.00; sh.	4 50
do	Medicated Inhalations, 12mo, 125 pp. cloth.....	75
do	Eclectic Family Physician, 8vo, 900 pp. cloth, \$3; sh. \$4; half mor.	5 00
<b>THOMAS,</b>	Eclectic Practice of Medicine Illus. 8vo, 1033 pp., cloth, \$6; sh.	7 00
<b>WATKINS,</b>	Compendium of the Practice of Medicine, 12mo, 460 pp. cloth,	2 50
<b>WEBSTER,</b>	Eclectic Medical Practice, 2 vols in 1, 8vo, 1233 pp. cl. \$6.50; sh.	7 50
<b>WINTERMUTE,</b>	King's Eclectic Obstetrics, 8vo, 757 pp. sheep.....	5 50
<b>WILDER,</b>	History of Medicine, 12mo, 946 pp. cloth.....	2 75
<b>WOODWARD,</b>	Intra-Uterine Medication, 12mo, 208 pp. cloth.....	2 50

Any book on this list will be sent postpaid on receipt of price by

**F. C. MACLEAN,**

**970 Dolores St., SAN FRANCISCO, CAL.**



# All the Salicylic Acid in Tongaline is made from the Natural Oil of Wintergreen



Samples by Express Prepaid - Mellier Drug Company, St. Louis

## PASSIFLORA

(DANIEL'S CONCT. TINCT.)

### THE TRUE SEDATIVE.

A natural nerve-food containing no morphine, opium or other deleterious ingredient. DANIEL'S PASSIFLORA is the concentrated tincture of the May Pop---a plant of superlative value as a nervine and narcotic---induces natural rest without reaction and imparts a healthful tone to the entire nervous system. DANIEL'S PASSIFLORA is indicated in Nervousness, Insomnia, Hysteria, Neuralgia, Dentition and during Pregnancy and the Menopause.

Write for Literature  
Sample Supplied, Physician  
Paying Express Charges.

Laboratory of

**John B. Daniel, Atlanta, Ga.**



